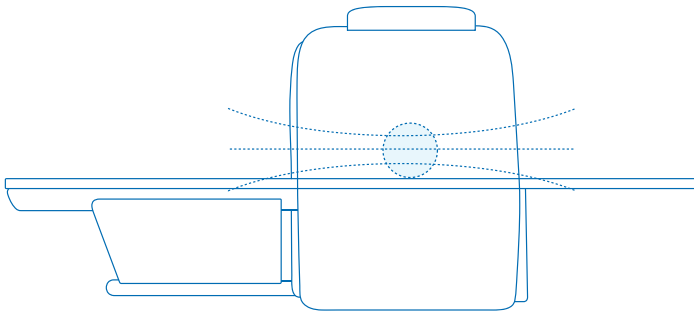
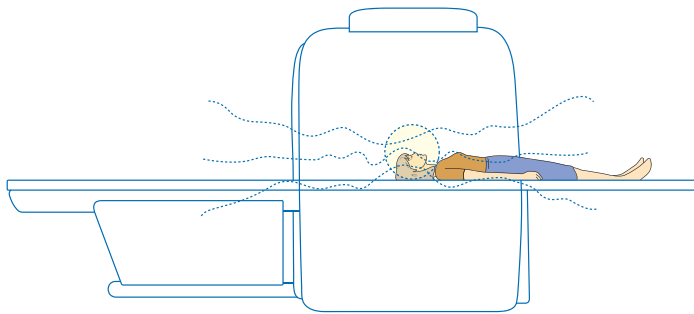


Echelon™ Technology The Value of Uniform RF Fat Saturation

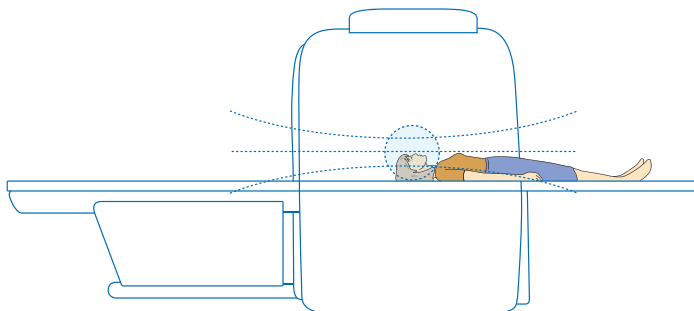
Magnetic Homogeneity



In a uniform (homogeneous) magnetic field, fat and water peaks have a constant frequency separation

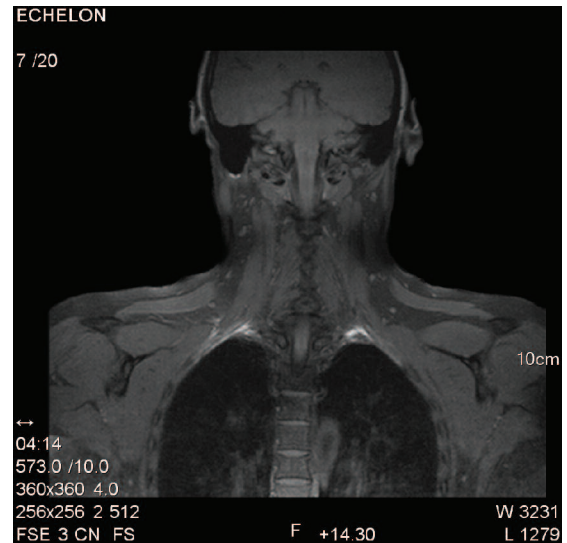


Without **HOAST**, the patient's body makes the magnetic field non-uniform, making fat saturation inconsistent

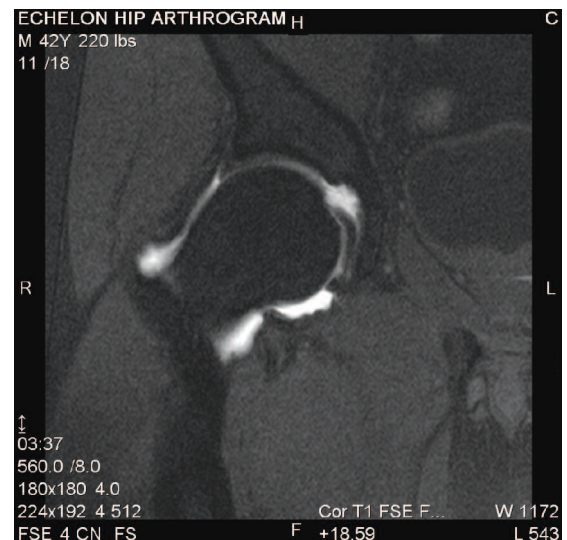


With **HOAST**, the effect of the patient's body is reduced, promoting consistent fat saturation even across large FOV's

HOAST (Higher Order Active Shim Technology) provides uniform RF fat saturation, outstanding large FOV capabilities, and excellent off-isocenter imaging. Higher order active shimming, adjusted for every patient, maximizes image quality for the highest diagnostic confidence for all pulse sequences and applications.



Large FOV

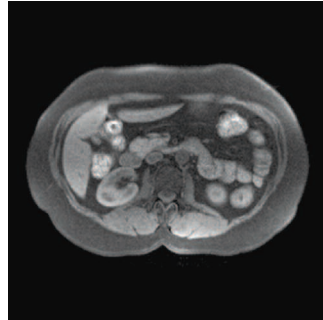
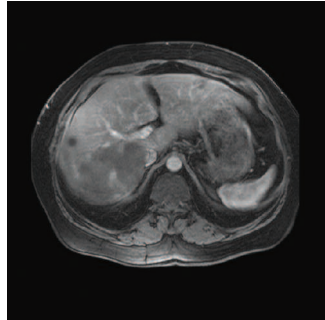


Off-Center FOV

Flexibility for Uniform Fat Saturation in Every Clinical Situation

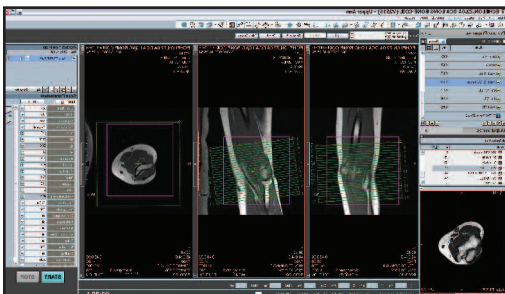
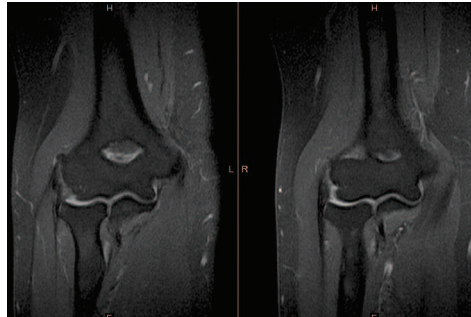
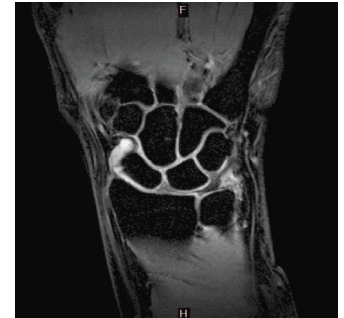
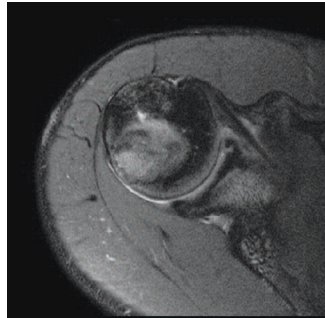
Routine Imaging

HOAST enables uniform large field of view fat saturation and superb image quality.



Off-Isocenter Imaging

Echelon's user defined regional shim feature promotes excellent off-isocenter fat suppression with comfortably positioned patients and enables high uniformity.



3 plane scan plan and operator placed shim volume on off-isocenter anatomy